

# NT Newsletter

## UNITED NATIONS 17 SDGs

The United Nations have outlined 17 Sustainable Development Goals by 2030. We seek to grow future Green Heroes and Nation Builders, in conjunction with the goals, who will be able to:

- solve global environmental problems.
- collaborate and work globally with mentors, private corporations and government bodies from all over the world.
- revolutionize existing industries or potentially build new industries.
- contribute to nation building and jobs creation.



## THE GLOBAL GOALS

### Foundation of soil health

- better aeration
- more porosity
- higher bulk density
- increased water retention

(Lim et al.,2015)



### Green Agriculture

- vermicompost has been found to have a better effect on plant growth than compost due to lower carbon-to-nitrogen ratio and pH and higher nitrogen and phosphorus

(Ducasse et al.,2022)



## The Power of Vermicomposting

= using earthworms to convert organic materials into humus-like material known as vermicompost.



### Urban Farming

- vermicompost can be the most sustainable media for growing high value fruits and vegetables crops such as lettuce and capsicum

(Alam et al.,2023; Hernandez et al., 2015)



### Food Security

- vermicompost can be used to replace the usage of chemical fertilizer that can cause acute poisoning
- can convert soil contaminated with pesticides into nutrients

(Singh et al.,2020)

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